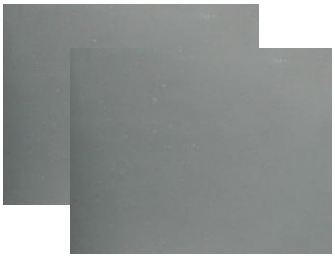
KLEBER

# NYS-SORBER® ABS 2079 HF Absorbing Sheet

NYS-SORBER® ABS series microwave absorbers are in thin sheet form loaded with magnetic fillers. Nystein specially designs this series products for reflection attenuation of high incident angle wave. Products are suitable for 2 to 40GHz frequency wave absorbing. The silicone elastomer substrate stands high temperature, and is oil resistant and fire retardant.The special magnetic particles fillers make the products excellent microwave absorbing capability.

NYS-SORBER® ABS 2079 is a thin, flexible, electrically non-conductive silicone rubber sheet. Its frequency range is from 4 - 10 GHz and impervious to moisture which can be subjected to moisture with no adverse effects.



## SPECIFICATIONS

| Typical Performance | NYS-SORBER® ABS 2079 | Unit | Test Method |
|---|---|---|---|
| Color | Gray | - | - |
| Resin system | Silicone | - | - |
| Thickness | 2.0 | mm | - |
| Hardness | 70 | Shore A | ASTM D2240 |
| Density | 4.3 | g/cm$^3$ | ASTM D792 |
| Center Frequency/ Attenuation | 5.77/-27.03 | GHz/dB | - |
| Working Frequency | 4~10 | GHz | - |
| Working Temperature | -50~+155 | ℃ | ASTM D1329 |
| Volume Resistivity | ≥10$^9$ | Ohm-cm | ASTM D257 |
| Flammability Rating | V-0 | - | UL94 |

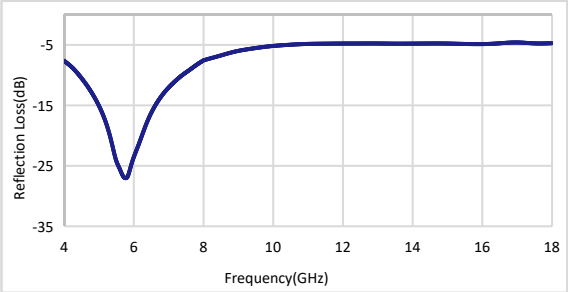
## FEATURES & BENEFITS

- Flexible.
- Thin, thickness 2.0 mm.
- Low out gassing properties.
- Electrically insulating material, bonded or pressed onto the metal structure to achieve best wave absorption effect.
- RoHS Compliant.
- Especially suitable for 4-10 GHz application.

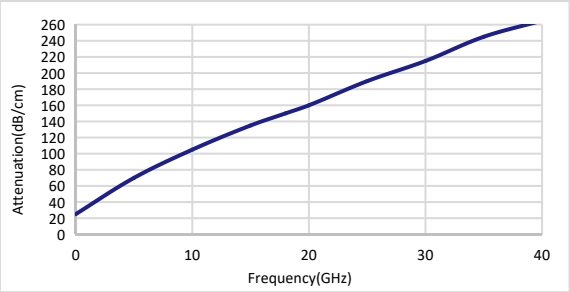
## APPLICATION

- Hand held electronics
- Wireless voice or telecom/datacom
- Military electronics
- GPS
- Ruggedized computers
- Night vision equipment
- Telecommunication infrastructure equipment

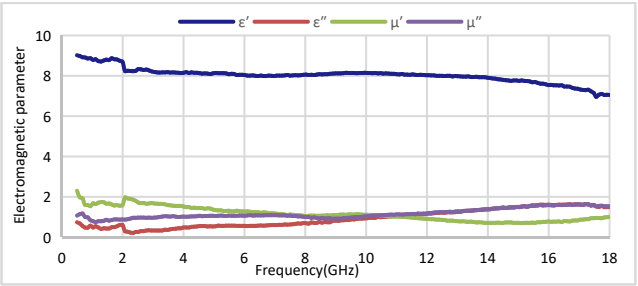
## REFLECTION LOSS CURVE



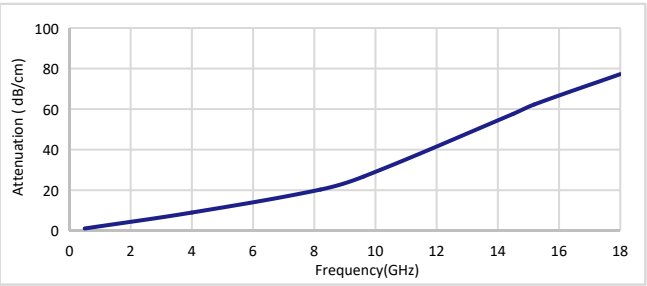

## INSERTION LOSS CURVE




## TYPICAL ELECTROMAGNETIC PARAMETER CURVE




## TYPICAL ATTENUATION CONSTANT CURVE (dB/cm)




Declare
The recommendation and data furnished by Kleber is based on our experiment and experience to date.This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application.Kleber shall not be liable for their usage and processing. The technology data sheet is subject to change without notice. The final interpretation right of the contents of this specification belongs to Kleber.